

PATENT ABSTRACTS OF JAPAN

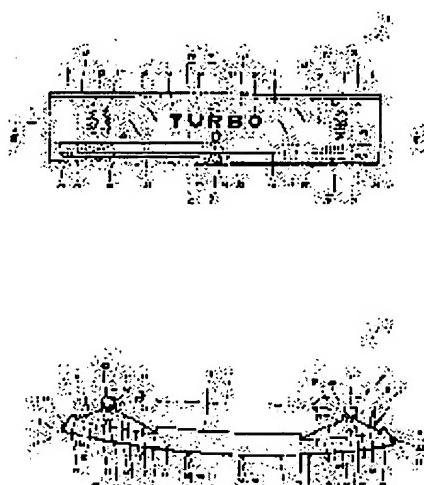
(11)Publication number : **01-265401**
 (43)Date of publication of application : **23.10.1989**

(51)Int.CI.

F21M 3/02(21)Application number : **63-094943**(71)Applicant : **KOITO MFG CO LTD**(22)Date of filing : **18.04.1988**(72)Inventor : **HIRAOKA TATSUJI****(54) LAMP INCORPORATED TYPE FRONT GRILL****(57)Abstract:**

PURPOSE: To reduce the number of parts and to decrease the number of assembly processes and the number of installation processes by installing lamps integrally to a body with the inner surface long in the lateral direction as a reflection surface and to a front grill formed of a lens attached to the front side of the body.

CONSTITUTION: A front grill and lamps 48 and 48' are incorporated, and at night, the light radiated from lamps 42 and 42' is reached to the whole body of the front side of a lens 31 in which lens steps are formed along the whole lens body, brighting the whole body of the lens 31. And, in the daytime, the external light incident through the lens 31 is reflected by the whole body of the inner surface of a body 5, as well as by reflection concaves 13 and 13', giving a feeling of a lighting apparatus as a whole. And since the inner surface of the body 5 is curved as a whole, in particular, the reflection is made efficiently toward the lens 31. Furthermore, by making the lamps 48 and 48' in an auxiliary head lamp such as a fog lamp, no trouble is given to the running even when a head lamp is cut off, and it is not necessary to install a separate lamp to the body, reducing the number of parts and decreasing the number of assembly and the number of installation processes.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

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